

Title (en)
DETERGENT COMPOSITIONS

Title (de)
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DETERGENTES

Publication
EP 0934377 A1 19990811 (EN)

Application
EP 97910764 A 19971002

Priority

- GB 9621799 A 19961018
- GB 9621791 A 19961018
- GB 9705816 A 19970320
- US 9717781 W 19971002

Abstract (en)
[origin: WO9817754A1] The present invention relates to detergent compositions or components thereof containing at least 20 % by weight of an inorganic builder and one or more cationic surfactants of the formula: R<1>R<2>R<3>R<4>N<+> X<-> in which R<1> is a hydroxyalkyl group having no greater than 6 carbon atoms; each of R<2> and R<3> is independently selected from C1-4 alkyl or alkenyl; R<4> is a C5-11 alkyl or alkenyl; and X<-> is a counterion.

IPC 1-7
C11D 1/62; **C11D 3/02**; **C11D 3/04**; **C11D 3/06**; **C11D 3/08**; **C11D 3/10**; **C11D 3/12**

IPC 8 full level
C11D 1/22 (2006.01); **C11D 1/28** (2006.01); **C11D 1/62** (2006.01); **C11D 1/65** (2006.01); **C11D 1/66** (2006.01); **C11D 1/86** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 1/14** (2006.01); **C11D 1/52** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)
C11D 1/22 (2013.01); **C11D 1/28** (2013.01); **C11D 1/62** (2013.01); **C11D 1/65** (2013.01); **C11D 1/66** (2013.01); **C11D 1/86** (2013.01); **C11D 3/10** (2013.01); **C11D 3/1273** (2013.01); **C11D 3/128** (2013.01); **C11D 3/37** (2013.01); **C11D 3/3942** (2013.01); **C11D 3/3945** (2013.01); **C11D 1/143** (2013.01); **C11D 1/146** (2013.01); **C11D 1/525** (2013.01); **C11D 1/662** (2013.01); **C11D 1/72** (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9817754 A1 19980430; AU 4805597 A 19980515; BR 9712991 A 20011218; CA 2268633 A1 19980430; EP 0934377 A1 19990811; EP 0934377 A4 20010207; HU P0000115 A2 20000628; MA 24382 A1 19980701; MX 9903684 A 19990901

DOCDB simple family (application)
US 9717781 W 19971002; AU 4805597 A 19971002; BR 9712991 A 19971002; CA 2268633 A 19971002; EP 97910764 A 19971002; HU P0000115 A 19971002; MA 24841 A 19971017; MX 9903684 A 19990419